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Annual Index — 2000

Author Index A–L

TABLE OF CONTENTS

Preface ..... iii–iv
Author Index A – L 1–1160

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Author/Key Index

TABLE OF CONTENTS

Preface ..... iii–iv
Author Index A – L 1–1160
Author Index M – Z 1161–2227
Key Index 2229–2316
Abreviations of Names of Serials J1–J31
Journals in Translation J33
Transliterations of Cyrillic C1–C2

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PREFACE

This annual index of Mathematical Reviews (MR) is included with each subscription and is also available separately. It is also called Volume 32 of the Index of Mathematical Papers (IMP). Volumes 6–9 of IMP are the annual indexes of MR for the years 1974–77 and are available as a set. The 1978 annual index was the first to be included with each subscription. There are cumulative author indexes to MR that cover 1940–59 (Vols. 1–20), 1960–64 (Vols. 21–28) and 1965–72 (Vols. 29–44), subject indexes for 1940–58 (Vols. 1–19) and 1959–72 (Vols. 20–44), and author and subject indexes for 1973–79 (Vols. 45–58) and 1980–84.

The classification scheme used in the present index is the 2000 Mathematics Subject Classification (MSC2000). A copy of the MSC2000 is printed in the back of the subject portion of this index.

The entries in the author, key and subject indexes are comprised of all items reviewed in MR during a given year and some items which will not be reviewed by MR but which have appeared in Current Mathematical Publications (CMP). A star (★) preceding a title indicates a book or other item that is reviewed as a whole. The symbol Ⓥ preceding a title indicates that the item is a videocassette.

Author index; separate key index

The entries in the author and key indexes give full bibliographic information. These entries are accompanied by review numbers {if available} and classification numbers; secondary classification numbers are given in parentheses. Entries are listed alphabetically by author; entries having several authors are listed in full under each author. Surnames consisting of more than one part (e.g., de Pagter, van der Mee) are listed under the first capital letter. Collections of papers, proceedings, bibliographies, tables, etc. that are edited rather than authored are listed in the key index by title and by "key entry". For example, the publication entitled *Mathematics and culture* is listed under **Mathematics and culture** and is also listed under **Conference: Mathematics and Culture** and under the location of the conference. Some monographic series (e.g., American Mathematical Society Translations, Series 2) have entries under the series title in this index.

Arrangement of entries in the author and key indexes

For a given heading (i.e., the primary name of an author, or a title), full entries are listed in order of nominal publication dates; the cross-references are in MR number order after the full entries. The arrangement of each entry is the same as in the heading of its review in MR. The general form for entries is as follows:

Books, Monographs. (Coauthors {if necessary}) ★Title. (Language of original {if necessary}. Summary languages {if necessary}) [English translation of title {if necessary}] Miscellaneous information {edition, editors, translators, series, etc.}. Publisher, city, date. Pagination. ISBN. (Reviewer's name) Review number {if available} Primary classification (Secondary classifications {if necessary}).

Journal article. (Coauthors {if necessary}) Title of article {in English translation if the original title is not in English, French or German}. (Language of original {if necessary}. Summary languages {if necessary}) [English translation of title {if necessary}] Journal abbreviation {including series number if necessary} Volume number(volume number in first series {if given}) (nominal date), issue number {if necessary}, pagination (imprint date {if necessary}). (Reviewer's name) Review number {if available} Primary classification (Secondary classifications {if necessary}).

The first five digits of the review number of an item refer to the MR issue in which the review is published and the last five digits refer to its position within that issue. The first two digits after the colon are the general subject classification of the item.

The phrase "EA 2000m" after an MR number indicates that an MR erratum or addendum to the review appears at the end of the 2000m issue.

Subject index

The entries in the subject index are arranged in classification order. For a given classification, all entries with that classification as a primary appear first, with authored entries appearing before unauthored entries. These are followed by entries with that classification as a secondary. Again, authored entries appear before unauthored entries. Each section under a given classification is arranged in alphabetical order. For each entry, the author(s), title, language, translated title {if necessary} and the review number {if available} appear at the first author only. The entries for subsequent authors are cross-references to the first author. Complete bibliographic information is available in the annual author and key indexes as well as in the MR review.

Cross-references

There are four kinds of cross-references in these indexes:

Name variations. An author's preferred name is the variation of the name that MR has chosen on the basis of frequency and currency of usage. Items by a given author are usually listed under the author's preferred name. In the author index, cross-references to the preferred form are given from sufficiently distinct alternative forms of the author's name.

Authors in other capacities. In the author index, the names of persons associated with an item in a capacity other than that of author (e.g., editor, translator, subject of a biography, etc.) are also listed. In the subject index, such names appear in parentheses. In both indexes these items occur only as cross-references to complete listings.

Key entries. Cross-references for such entries as bibliographies, obituaries and references to special events are made to the authors of the papers in which these items appear, e.g. **Bibliography: Beazer, Rodney** *see* **Dowser, Harry, 2000j:01060**.

Unreviewed entries. Some entries in these indexes have not been reviewed in MR (e.g., items that do not appear to be in final form, or that are at the fringes of MR's scope) although they have been listed in CMP. Unreviewed items appear in the author, key and subject indexes in a format similar to that of reviewed items. For unreviewed items that are part of a collection, the review number in parentheses is a cross-reference to the table-of-contents review, i.e. (see 2000x:xxxxx) or (2000x:xxxxx). For unreviewed items that are not part of a collection, there is no review number cross-reference.

Transliteration

Since 1983, MR has used the Cyrillic transliteration in use by ANSI, LC, Zbl, ISI, and others. This is also the system used throughout this index. A Cyrillic transliteration table appears at the end of the author/key index.

Names of Chinese authors

The name of a Chinese author appears in the index in Western form. For example, Chen Xie Bin will be listed as Chen, Xie Bin, as though the author's name were Xie Bin Chen. The pinyin transliteration is used for mainland Chinese authors and the Wade-Giles transliteration is used for Taiwanese authors.

In an undertaking of this size, errors are inevitable, despite elaborate precautions and checks. The editors of Mathematical Reviews would be very glad to have their attention drawn to errors in this index and also in the earlier indexes.

Mathematical Reviews

Issue year 2000, annual index **Author Index** **Pages 1–2228**

–A–

van der Aalst, Wil (*with* Kindler, Ekkart) Liveness, fairness, and recurrence in Petri nets. *Inform. Process. Lett.* **70** (1999), *no.* 6, 269–274. (Introduction) **2000f:68080** 68Q85 (90C35)

Aalto, Samuli Characterization of the output rate process for a Markovian storage model. (English summary) *J. Appl. Probab.* **35** (1998), *no.* 1, 184–199. (Summary) **2000d:60157** 60K30

Aardal, Karen (*with* Hurkens, Cor A. J.; Lenstra, Arjen K.) Solving a linear Diophantine equation with lower and upper bounds on the variables. (English summary) *Integer programming and combinatorial optimization* (*Houston, TX*, 1998), 229–242, *Lecture Notes in Comput. Sci.*, 1412, *Springer, Berlin*, 1998. (Summary) **2000g:11125** 11Y50 (90C10)

— (*with* Verweij, Bram) An optimisation algorithm for maximum independent set with applications in map labelling. (English summary) *Algorithms—ESA '99* (*Prague*), 426–437, *Lecture Notes in Comput. Sci.*, 1643, *Springer, Berlin*, 1999. (Summary) **2000h:05215** 05C85

— (*with* Bixby, Robert E.; Hurkens, Cor A. J.; Lenstra, Arjen K.; Smeltink, Job W.) Market split and basis reduction: towards a solution of the Cornuéjols-Dawande instances. (English summary) *Integer programming and combinatorial optimization* (*Graz*, 1999), 1–16, *Lecture Notes in Comput. Sci.*, 1610, *Springer, Berlin*, 1999. (Alexander I. Barvinok) **2000h:90044** 90C10 (90B30, 90C90)

— (*with* Chudak, Fabián A.; Shmoys, David B.) A 3-approximation algorithm for the k-level uncapacitated facility location problem. (English summary) *Inform. Process. Lett.* **72** (1999), *no.* 5-6, 161–167. (Summary) **2000i:90025** 90B80 (90C35)

— (*with* van Hoesel, C. P. M.) Polyhedral techniques in combinatorial optimization. II. Applications and computations. (English summary) *Statist. Neerlandica* **53** (1999), *no.* 2, 131–177. 90C27 (90–02)

— *see also* **Lawler, Eugene L., 2000a:01037**

van Aarle, Bas (*with* Engwerda, Jacob C.; Plasmans, Joseph E. J.) The (in)finite horizon open-loop Nash LQ game: an application to EMU. (English summary) Optimal control and differential games (Vienna, 1997). *Ann. Oper. Res.* **88** (1999), 251–273. (*see* **2000e:49004**) 91A23 (91A80)

Aaronson, Jon (*with* Weiss, Benjamin) On the asymptotics of a 1-parameter family of infinite measure preserving transformations. (English summary) *Bol. Soc. Brasil. Mat. (N.S.)* **29** (1998), *no.* 1, 181–193. (Cesar E. Silva) **2000c:28022** 28D05

Aarseth, J. B. (*with* Brevik, I.; Elizalde, Emilio; Sollie, R.) A new scaling property of the Casimir energy for a piecewise uniform string. (English summary) *J. Math. Phys.* **40** (1999), *no.* 3, 1127–1135. (Summary) **2000j:81205** 81T30

Aarts, Harry (*with* Solymosi, Tamás; Driessen, Theo S. H.) On computing the nucleolus of a balanced connected game. (English summary) *Math. Oper. Res.* **23** (1998), *no.* 4, 983–1009. (Tadeusz Radzik) **2000f:91004** 91A06 (91A12)

Aarts, Jan M. (*with* Daalderop, Fons G. M.) Chaotic homeomorphisms on manifolds. (English summary) *Topology Appl.* **96** (1999), *no.* 1, 93–96. (Remo Badii) **2000d:54040** 54H20 (37A99, 37B99, 37E30, 54C35, 54E52)

Aashikpelokahi, U. S. U. On the recursive relations of a class of rational integrators. (English summary) *Directions in mathematics* (*Ibadan*, 1997), 69–80, *Y-Books, Ibadan*, 1999. (*see* **2000m:00048**) 65L06

Aasma, Ants Matrix transformations of λ-summability fields of λ-reversible and λ-perfect methods. (English summary) *Comment. Math. Prace Mat.* **38** (1998), 1–20. (W. Beekmann) **2000h:40007b** 40D05 (40G05)

— Matrix transformations of λ-boundedness fields of normal matrix methods. (English summary) *Studia Sci. Math. Hungar.* **35** (1999), *no.* 1-2, 53–64. (W. Beekmann) **2000h:40007a** 40D05

Aassila, Mohammed Decay estimates for the wave equation with a nonlinear nonmonotone weak damping. (English summary) *Appl. Anal.* **69** (1998), *no.* 3-4, 223–231. (Summary) **2000d:35146** 35L70 (35B40)

— Decay estimates for a quasilinear wave equation of Kirchhoff type. (English summary) *Adv. Math. Sci. Appl.* **9** (1999), *no.* 1, 371–381. (Fumioki Asakura) **2000k:35191** 35L70 (35B40)

— A note on the boundary stabilization of a compactly coupled system of wave equations. (English summary) *Appl. Math. Lett.* **12** (1999), *no.* 3, 19–24. (Summary) **2000k:93045** 93D15 (35B40, 35L05, 93C20)

— (*with* Guesmia, Aissa) Energy decay for a damped nonlinear hyperbolic equation. (English summary) *Appl. Math. Lett.* **12** (1999), *no.* 3, 49–52. (Summary) **2000k:35192** 35L70

— Global existence of solutions to degenerate wave equations with dissipative terms. (English summary) *Bull. Austral. Math. Soc.* **60** (1999), *no.* 1, 1–10. (Nickolai A. Lar'kin) **2000f:35097** 35L70 (35B40)

— Uniform boundary stabilization of a thermoelastic bar with a nonlinear weak damping. *Colloq. Math.* **79** (1999), *no.* 1, 63–70. (Takashi Narazaki) **2000j:35253** 35Q72 (35B40, 74F05, 74H55, 74K10)

— Uniform stabilization of solutions to a quasilinear wave equation with damping and source terms. (English summary) *Comment. Math. Univ. Carolin.* **40** (1999), *no.* 2, 223–226. (Satyanad Kichenassamy) **2000k:35193** 35L70 (35B40)

— On a quasilinear hyperbolic equation with nonlinear damping. (English summary) *J. Egyptian Math. Soc.* **7** (1999), *no.* 2, 177–189. (Enrique Zuazua) **2000k:35194** 35L70 (35B40)

— (*with* Kaya, Dogan) On local solutions of a mildly degenerate hyperbolic equation. (English summary) *J. Math. Anal. Appl.* **238** (1999), *no.* 2, 418–428. (Andrej T. Il'ichev) **2000i:35140** 35L80 (45K05, 74H45)

— Asymptotic behaviour and stability assessment of marine risers. (English summary) *Math. Methods Appl. Sci.* **22** (1999), *no.* 18, 1585–1598. (Kenneth B. Hannsgen) **2000k:74028** 74H40 (35B40, 74H10, 74H55)

— Nonlinear boundary stabilization of an inhomogeneous and anisotropic thermoelasticity system. (English summary) *Appl. Math. Lett.* **13** (2000), *no.* 1, 71–76. (Summary) **2000m:93077** 93D15 (74F05, 74H55, 74M05, 93C20)

divaani-Aazar, K. *see* **Divaani-Aazar, K.**

Aǝabna, Musa Regularization by nonlocal conditions of the problem of the control of the initial condition for evolution operator-differential equations. (Russian. English and Russian summaries) *Vestn. Beloruss. Gos. Univ. Ser. 1 Fiz. Mat. Inform.* **1998**, *no.* 2, 60–63, 81. (Florin Iacob) **2000m:34123** 34G10 (34H05, 49J27, 65J20)

Ababou, Rachel (*with* Baird, Paul; Brossard, Jean) Polynômes semi-conformes et morphismes harmoniques. (English summary) [Semiconformal polynomials and harmonic morphisms] *Math. Z.* **231** (1999), *no.* 3, 589–604. (John C. Wood) **2000m:53092** 53C43 (58E20)

shafei deh Abad, A. *see* **Shafei Deh Abad, A.**

vázquez-Abad, Felisa J. *see* **Vázquez-Abad, Felisa J.**

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— (*with* Rios, Miguel) Exact solution of an electron system combining two different t-J models. (English summary) *J. Phys. A* **32** (1999), *no.* 19, 3535–3553. (Summary) **2000a:82074** 82D55

Abad, Manuel (*with* Fernandez, Alicia; Meske, Nelli) Free Boolean correlation lattices. (English summary) *Rep. Math. Logic No.* 30 (1996), 3–11 (1997). (Joel Berman) **2000a:06043** 06C99 (06D99)

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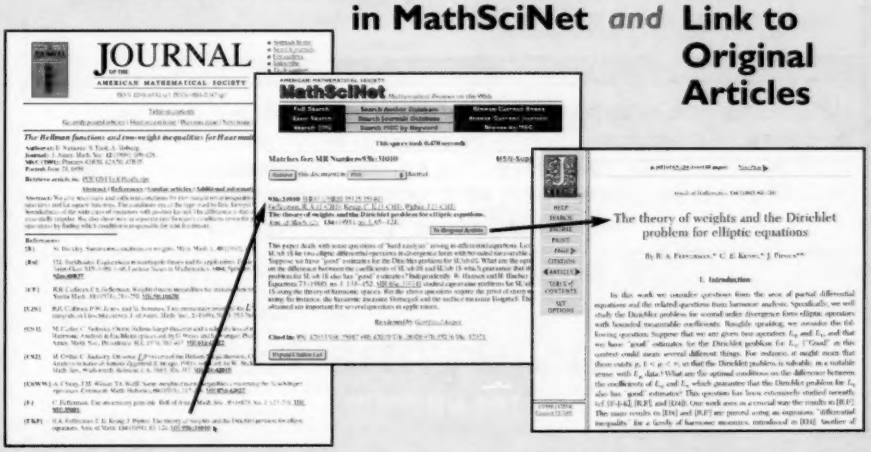
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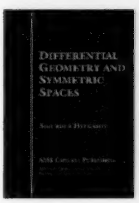
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